		M T W T F S S	
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	Java - ODJ Lab		
	Lab-4		
	Develop a Java program to create	an abstra	t
	class named Shape that contains	two inte	gers
	and an empty method named po	rintArea()	
1	forovide three classes nounced Rest	and, Tric	angle
	and Circle such that each one	of the d	asses
	extends the class shape. Each o	ne al Ha	2
	classes contain only the metho	d print	Area()
	that paints the area of the gir	en elian	ρ ,
	The state of the s		
	samost souva: util. Scanner.		
	emport gena util Scanner		
	S		
	abstract void get din();		
	3		
	abstract class Shape extends In	nut Scannes	
	\$	<del>200 </del>	
	V +		
	shape (Int a, Int b)		
	Shape (In a) and a)		
	1	,	
	this a = a;		
	this b = b;		
	Shape (int a)		
	7		
	this a = a;		
1.	this - b = 0;		
	3 3		
	abstract void point Area ();		
	3		
	class Rectangle extends Shape		
	1		
	Rectargle (ant a, ent b)	- I was a second	

super (a, b); void get dimes System. out a parent la ("Enter dimensions of the rectary Clength and breadth) ") Scanner 3= new Scannes (System . in) a=So neat Int(); J= So next Int(); vord print Area () Systemout println(" Area of Rectargle = "+(a \* b)). Terroungle entends Shape Terangle ( Fint a, 4nt b) super(a, b) void get dim() System out printle "Enter the dimensions of the triangle (borde and Scarner s= new Scanner (System. in). &= so next Int (). b = So next Dit Cy void prient Area ()

System out partle (" Area of trangle = "+ (0.5 x a b); Cirde extende Shape Circle (int a) 3 super(a);
vord get dim() System out o prantln ("Enter the dimensions of the errde (radius)"). Scanner S= new Scanner (System. In) a = so next Int (); void point Area () { System out pointer ("Area of corde ="+
(3.14 \*a\*a))class Shape Main public static void main (String args[]) hertangle or = new Kestangle (0, 6). Trangle t = new Trianglo (0,0). Cordi (= new Circle(0); v-getdim (); to get dime) ( got dim(); re print Area ()

to print Area (); copaint Area (); Enter den of Restaugle Clength and breadter): Center dim of Triangle (base and height): Enter dim of cordo (radius): Area of trangle = 6 Area of tirde